

Converting Colors

CIELCh(44, 49.981, 200.088)

Have a look what the booklet for
CIELCh(44, 49.981, 200.088)
contains.

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Color

CIELCh(47, 28.296, 206.373)

Conversions

Conversions Part 1

Format	Color
Hex	027C84
RGB	2, 124, 132
RGB Percent	1%, 49%, 52%
CMY	0.9912, 0.5148, 0.4834
CMYK	0.98, 0.06, 0.00, 0.48
HSL	184°, 97%, 26%
HSV	184°, 98%, 52%
XYZ	11.3474, 16.0195, 24.2255
YIQ	88.4340, -75.2800, -23.3760

Conversions

Conversions Part 2

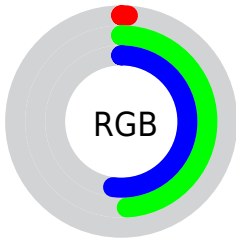
Format	Color
R_{YB}	2, 65, 132
Decimal	162948
CIE _{Lab}	47.00, -25.35, -12.57
CIE _{LCh}	47, 28.296, 206.373
Yxy	16.0195, 0.2199, 0.3105
Android (android.graphics.Color)	4278353028 (0xFF027C84)
YUV	88.4340, 21.4780, -75.8026
Hunter-Lab	40.0243, -19.4355, -7.8694

Details

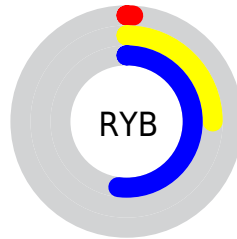
The CIELCh color **47, 28.296, 206.373** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 61.176, 39.404**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 28.314, 206.301**, and **29, 19.922, 211.949** is the 20% darker color. If you saturate the color by 10%, you get **47, 28.386, 206.507**, and if you desaturate by 10%, it is **47, 27.732, 205.586**.

Distribution



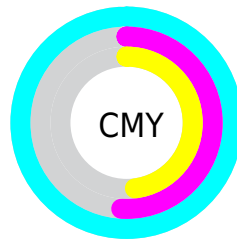
- Red (1%)
- Green (49%)
- Blue (52%)



- Red (1%)
- Yellow (25%)
- Blue (52%)



- Cyan (98%)
- Magenta (6%)
- Yellow (0%)
- Black (48%)



- Cyan (99%)
- Magenta (51%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 28.296, 206.373 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 47, 28.296, 206.373 by changing the saturation by 10% instead.


 47, 28.296,
206.373

 47, 28.296,
206.373


 100, 28.296,
206.373

 37, 28.296,
206.373

 67, 28.296,
206.373


 27, 28.296,
206.373

 77, 28.296,
206.373

 17, 28.296,
206.373

 87, 28.296,
206.373

 7, 28.296, 206.373

 97, 28.296,
206.373

 0, 28.296, 206.373

 47, 28.296,

 47, 28.296,

206.373

■ 47, 28.386,
206.507

206.373

■ 47, 27.732,
205.586

■ 48, 26.705,
204.955

■ 48, 25.071,
204.508

■ 49, 22.824,
204.228

■ 50, 19.991,
204.096

■ 51, 16.620,
204.091

■ 52, 12.779,
204.198

■ 53, 8.540, 204.404

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47, 28.296, 206.373



27, 61.176, 39.404

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47, 28.296, 206.373



47, 28.296, 256.373



47, 28.296, 26.373



47, 28.296, 76.373

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47, 28.295, 206.372



66, 16.121, 204.178



48, 71.841, 136.706



34, 10.991, 204.131



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 28.295, 206.372



60, 34.282, 206.755



27, 46.512, 286.676



27, 2.715, 204.688



46, 28.127, 206.493



1, 0.666, 204.900

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30, 67.175, 330.724



40, 81.579, 330.837



37, 50.342, 66.254



26, 5.055, 326.615



30, 66.901, 330.773



0, 1.204, 326.141

Previews

White Background



This preview shows how the CIE LCh color 47, 28.296, 206.373 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 47, 28.296, 206.373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

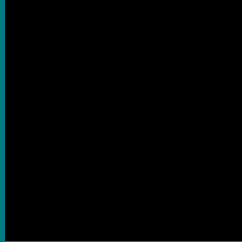
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 28.296, 206.373

Background



This preview shows how black text looks on a background with the CIELCh color 47, 28.296, 206.373.



This preview shows how white text looks on a background with the CIELCh color 47, 28.296, 206.373.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


47, 28.356, 206.346

Protanopia

47, 7.708, 291.230

Deuteranopia

47, 15.430, 293.625



Tritanopia
47, 27.598, 209.270

Trichromacy



Original Color
47, 28.356, 206.346

Protanomaly
46, 16.212, 221.931

Deuteranomaly
46, 18.109, 239.657

Tritanomaly
47, 27.760, 209.182

Monochromacy



Original Color
47, 28.356, 206.346

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 15.704, 204.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 28.296, 206.373 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(2, 124, 132)` looks like.

```
.text, #text, p{  
    color:rgb(2, 124, 132)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(2, 124, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 124, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 28.296, 206.373 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(2, 124, 132) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(2, 124, 132) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(2, 124, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 124, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 124, 132);  
box-shadow:4px 4px 4px 4px rgb(2, 124,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 28.296, 206.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 124, 132) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(2, 124,  
132) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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